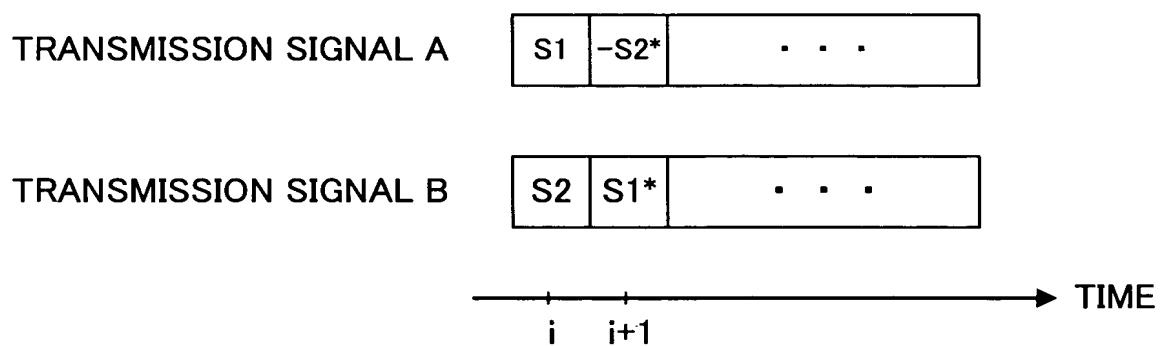


PRIOR ART

FIG.1



PRIOR ART

FIG.2

10 MULTI-ANTENNA COMMUNICATION SYSTEM

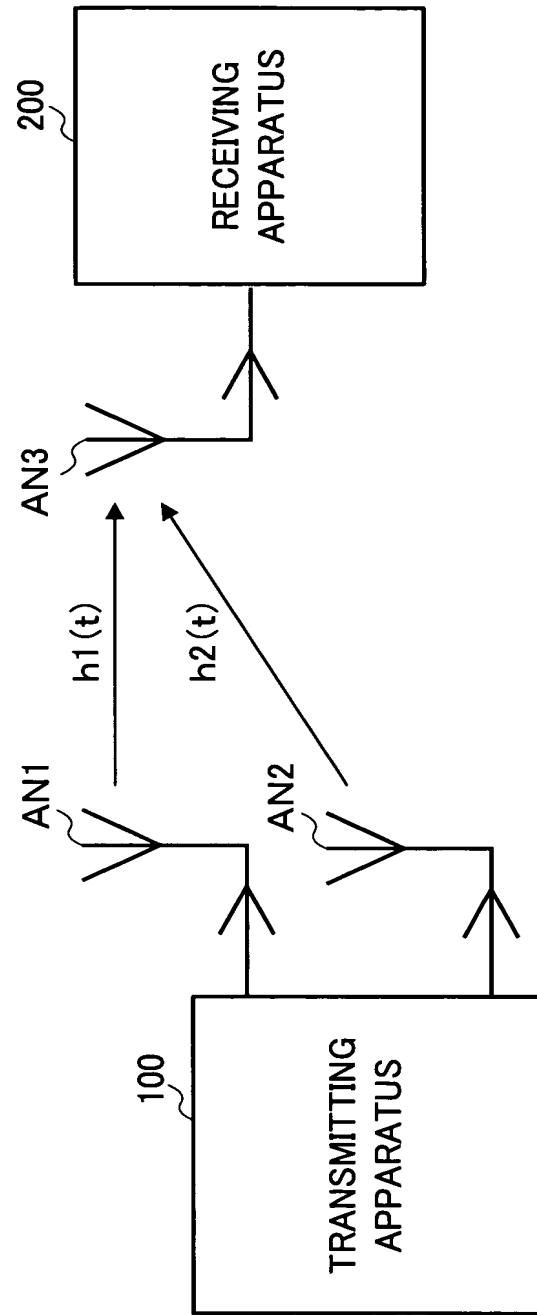


FIG.3

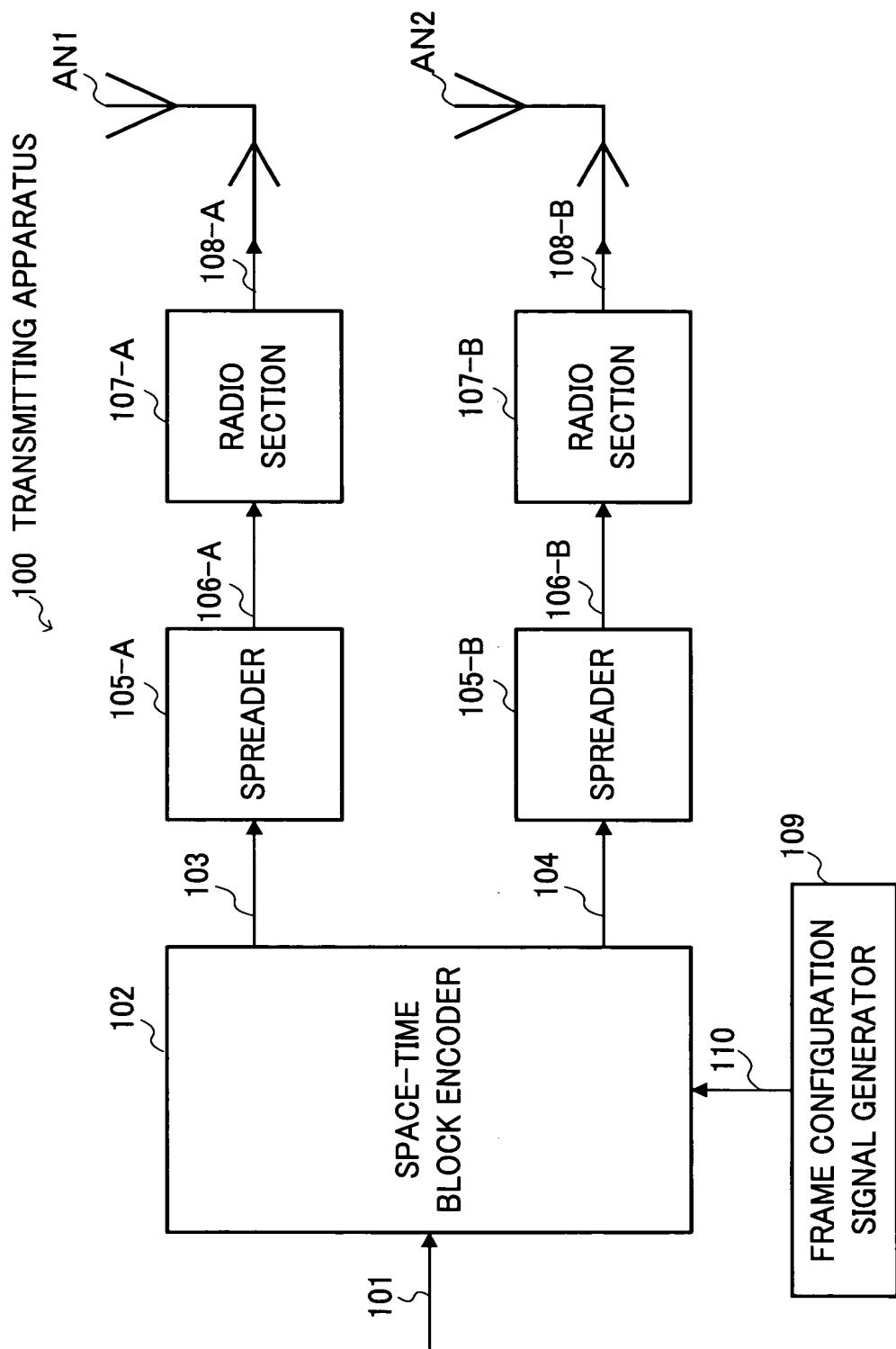


FIG.4

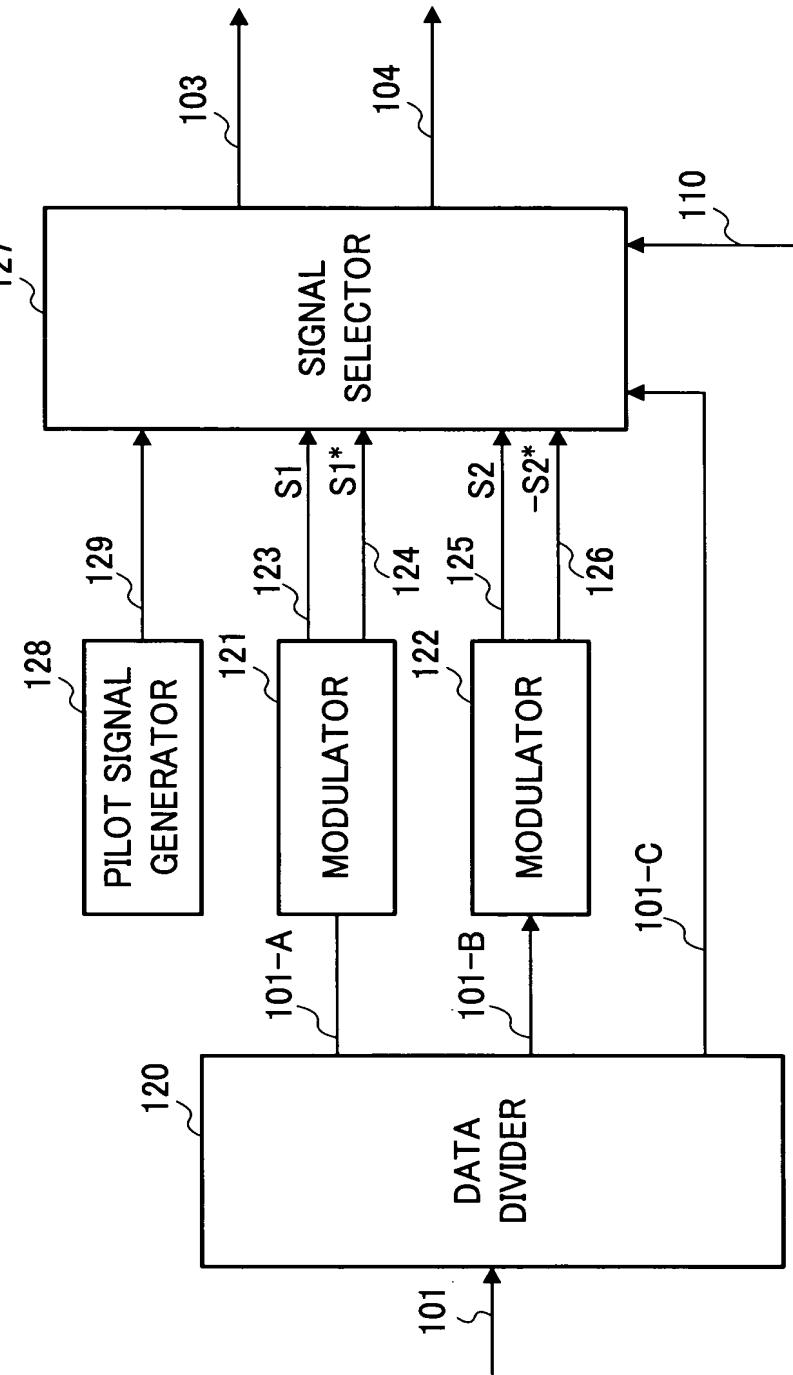
102 SPACE-TIME BLOCK ENCODER

FIG.5

FIG.6A

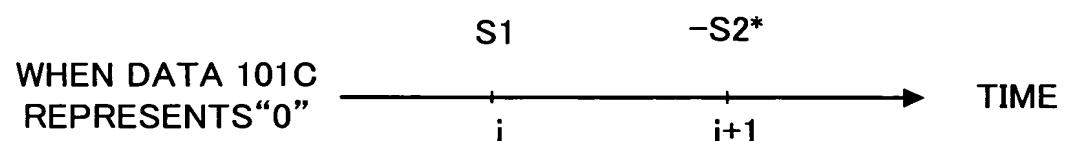


FIG.6B

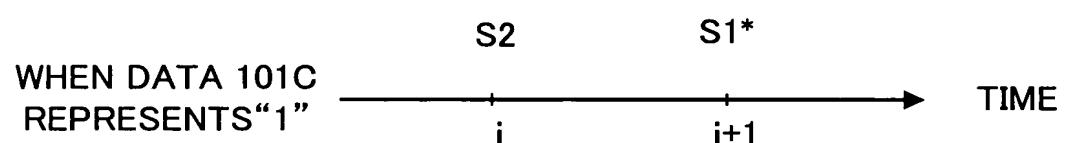


FIG.7A

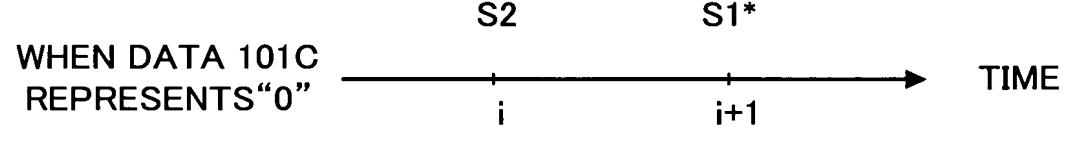


FIG.7B

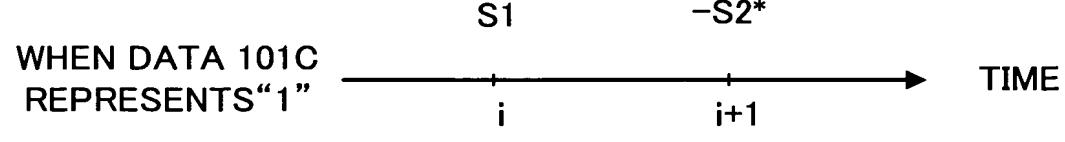
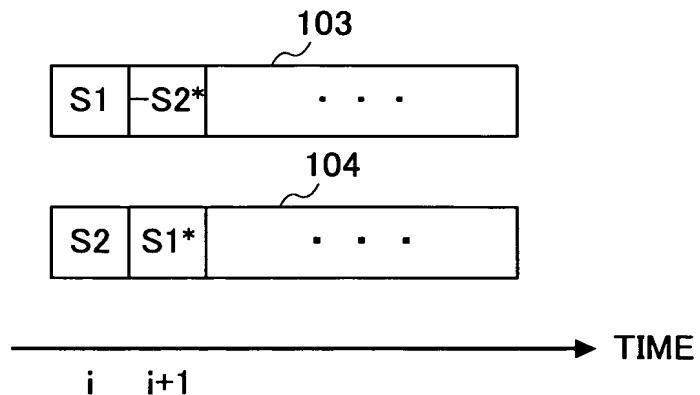
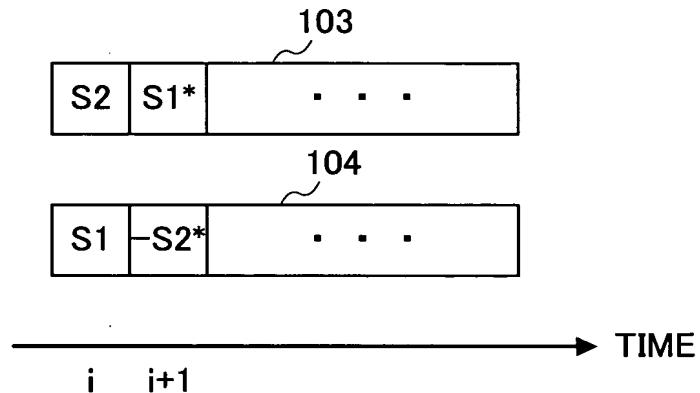


FIG.8AWHEN DATA 101C
REPRESENTS "0"**FIG.8B**WHEN DATA 101C
REPRESENTS "1"

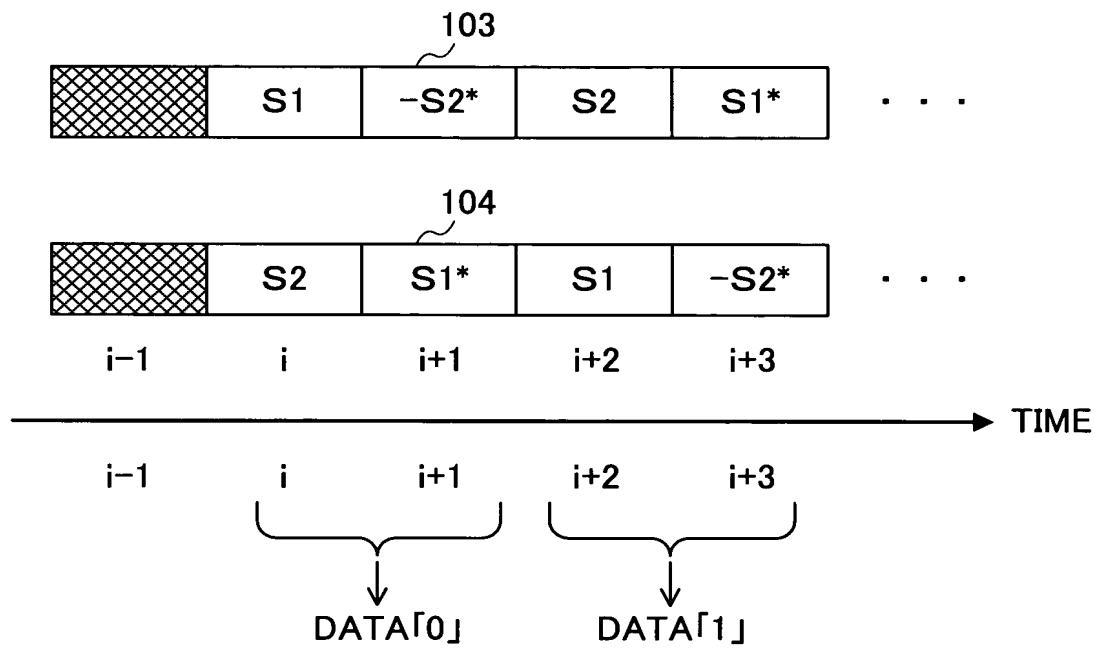


FIG.9

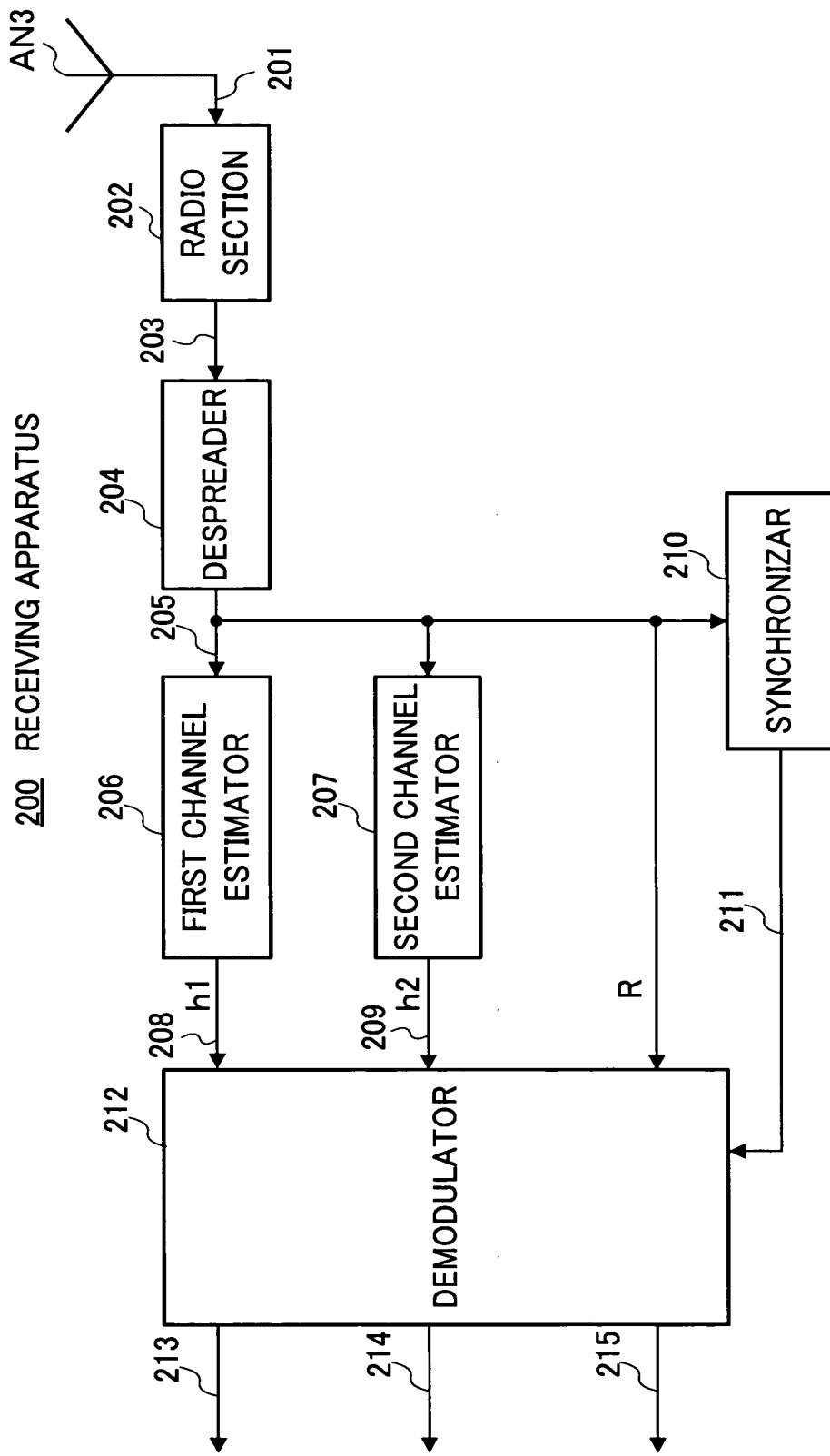


FIG.10

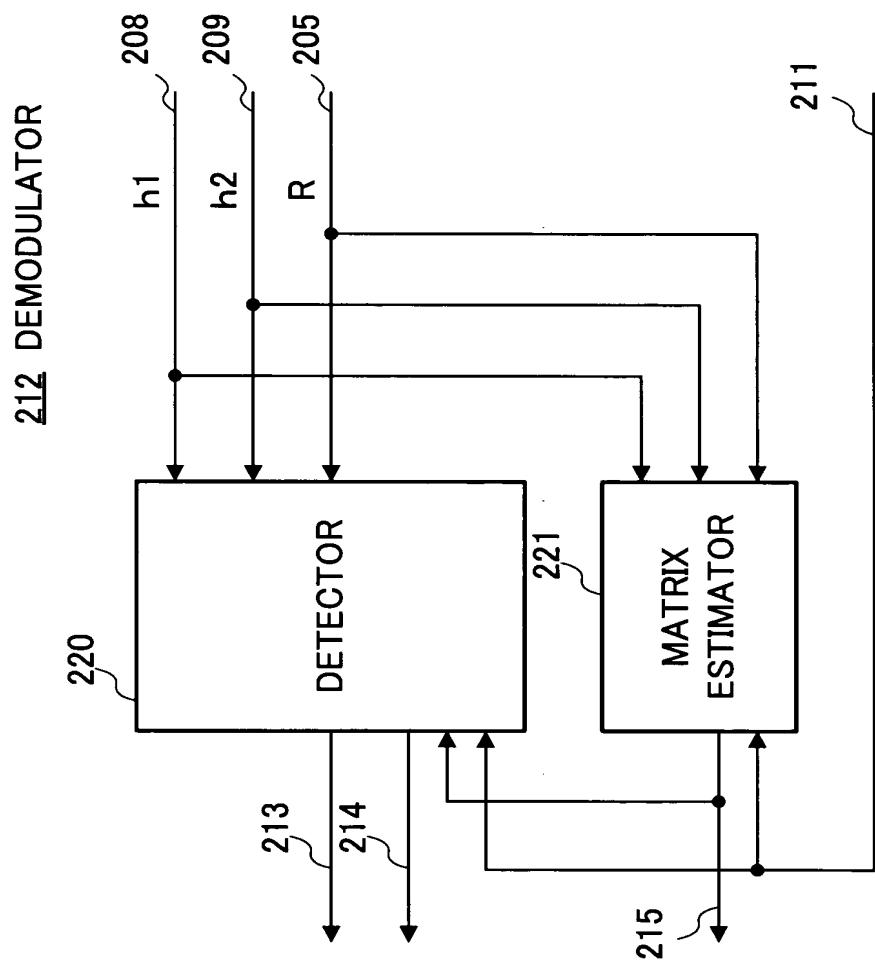


FIG.11

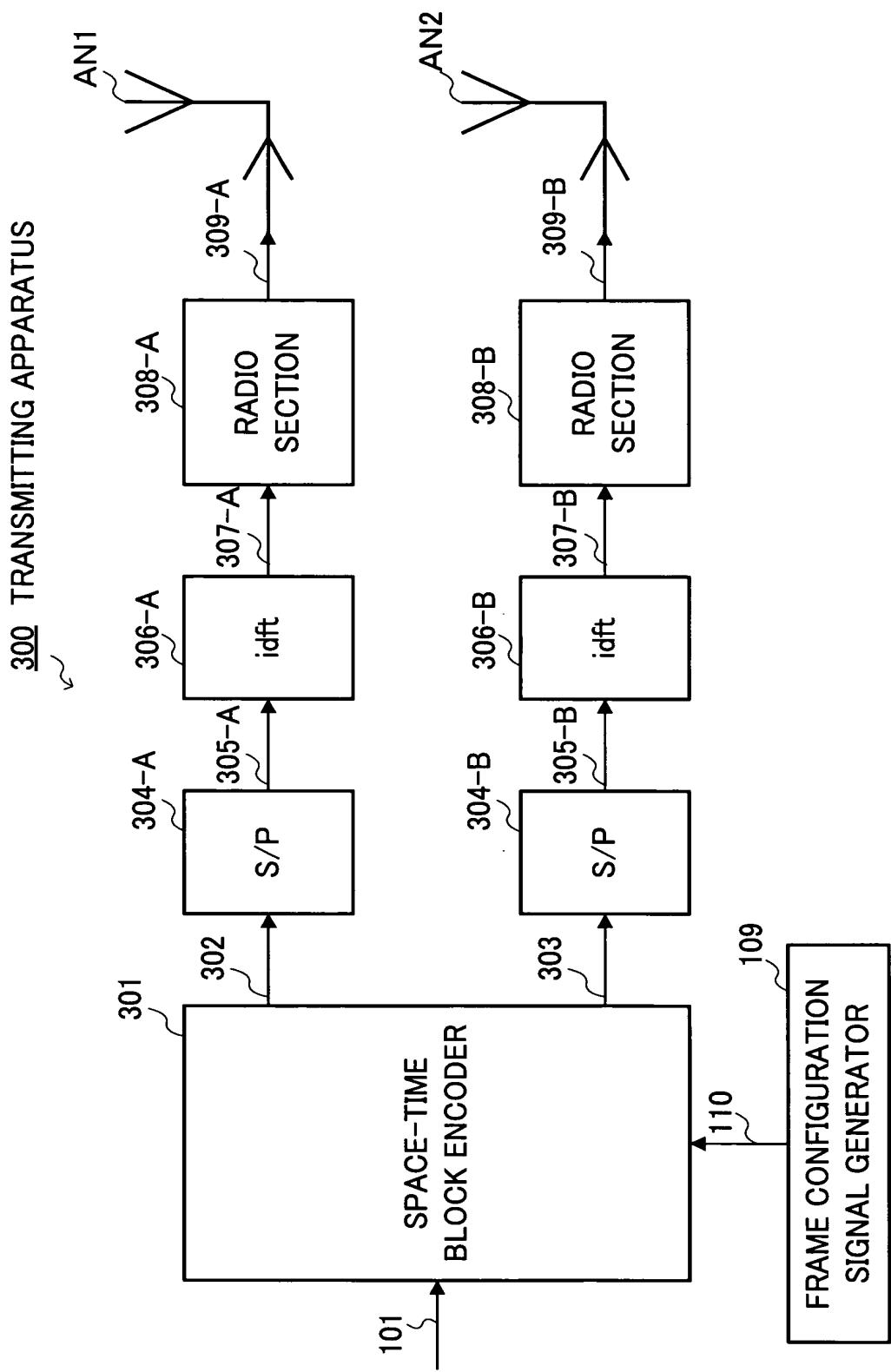


FIG.12

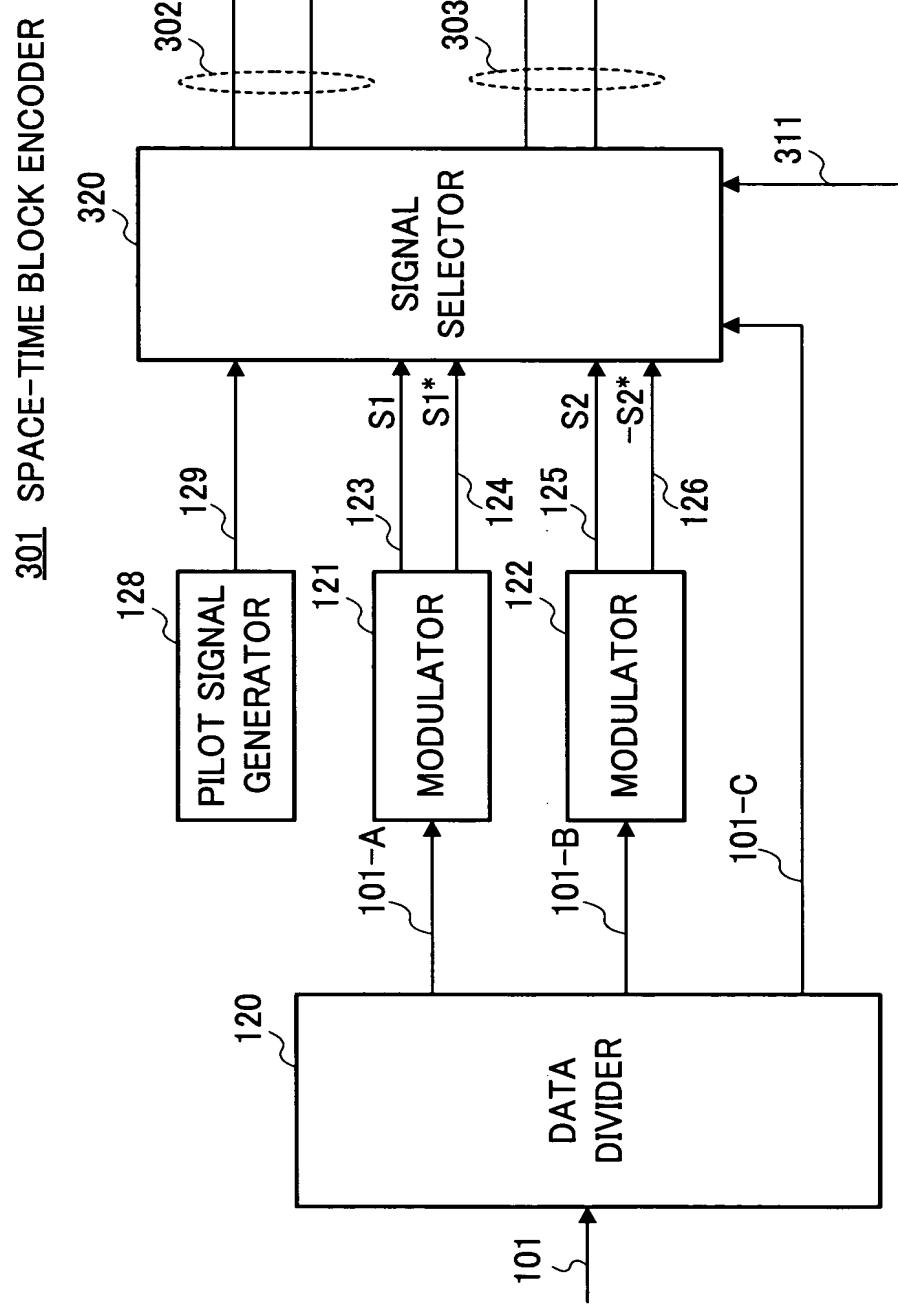
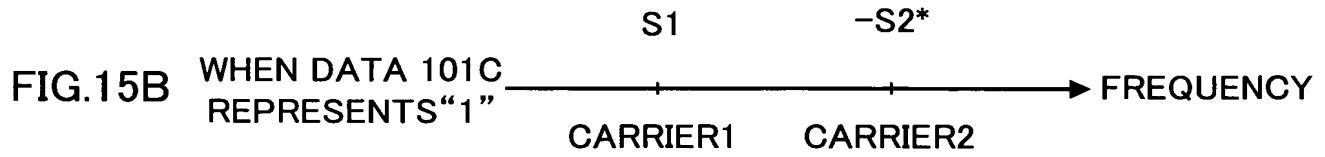
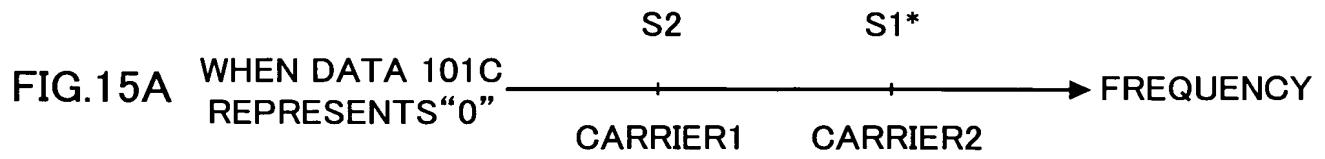
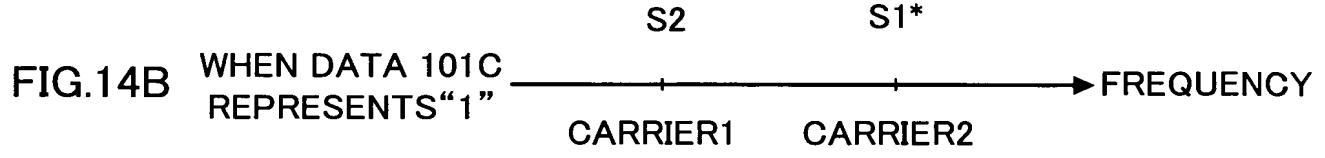
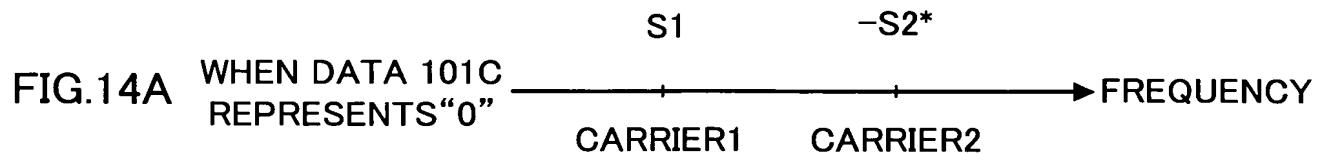


FIG.13



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FIG.16A

WHEN DATA 101C
REPRESENTS "0"

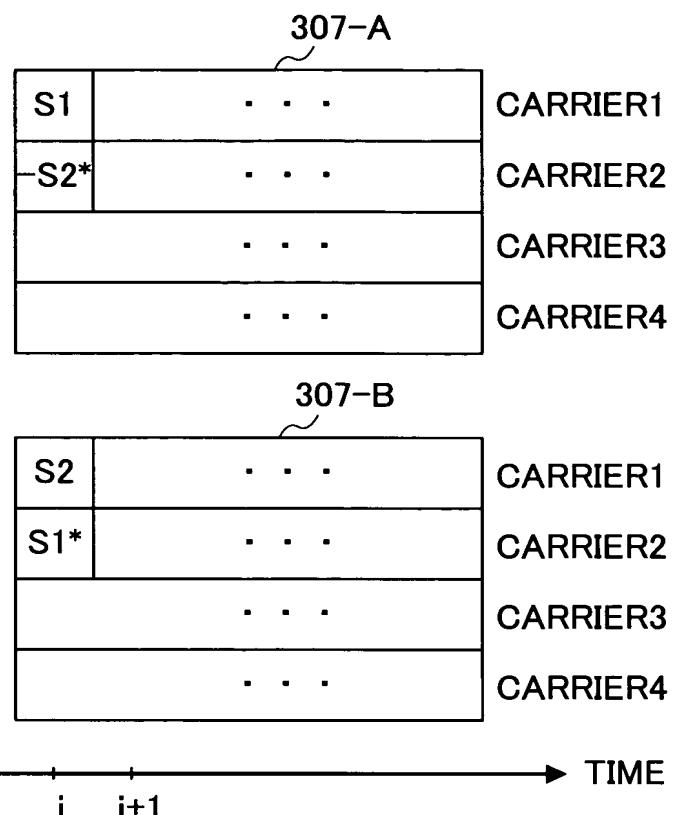
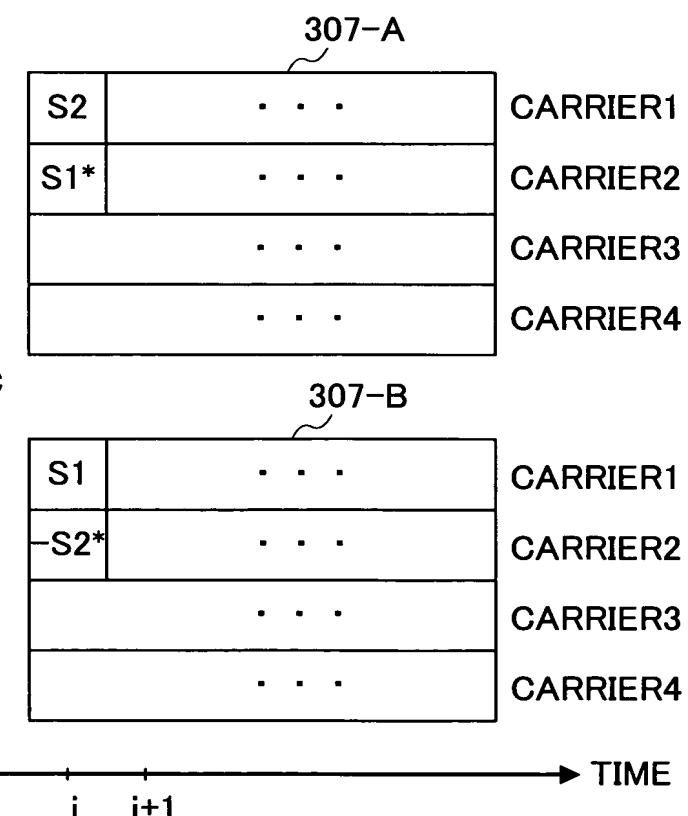


FIG.16B

WHEN DATA 101C
REPRESENTS "1"



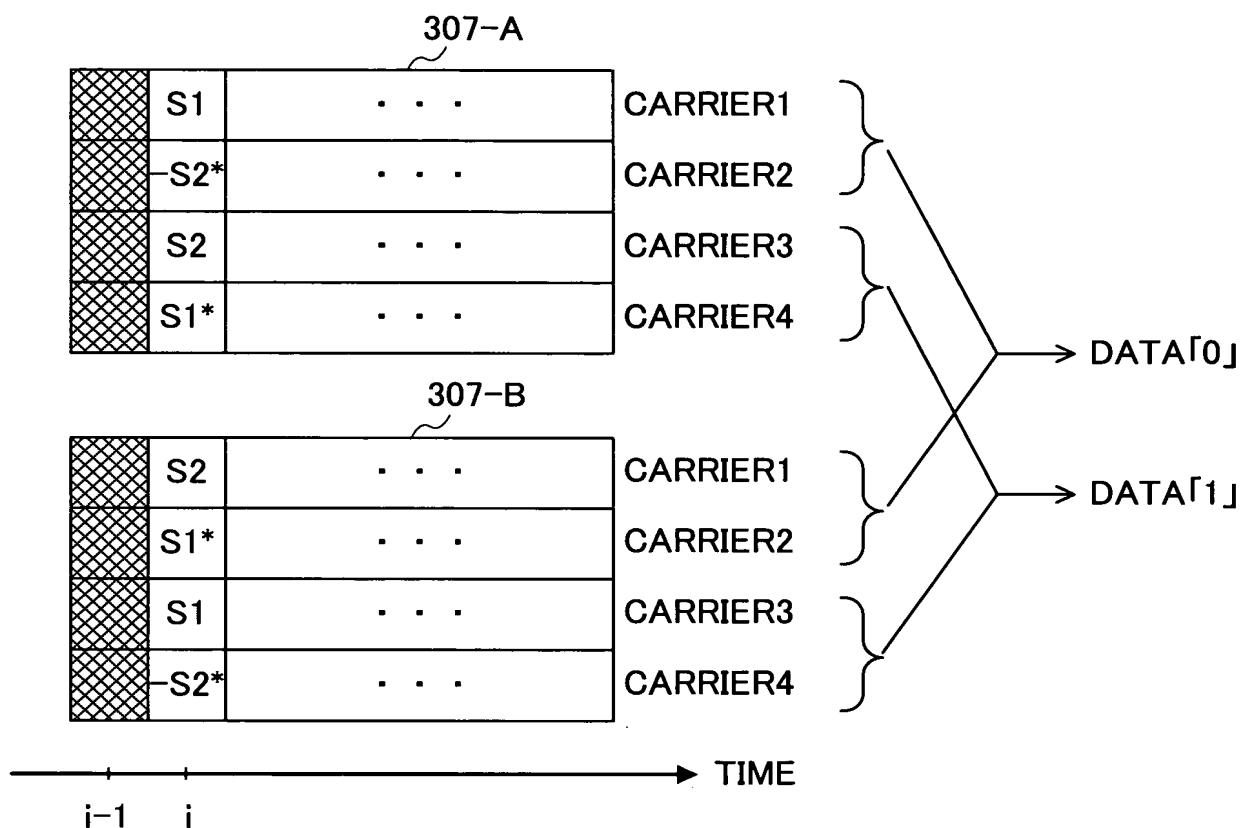


FIG.17

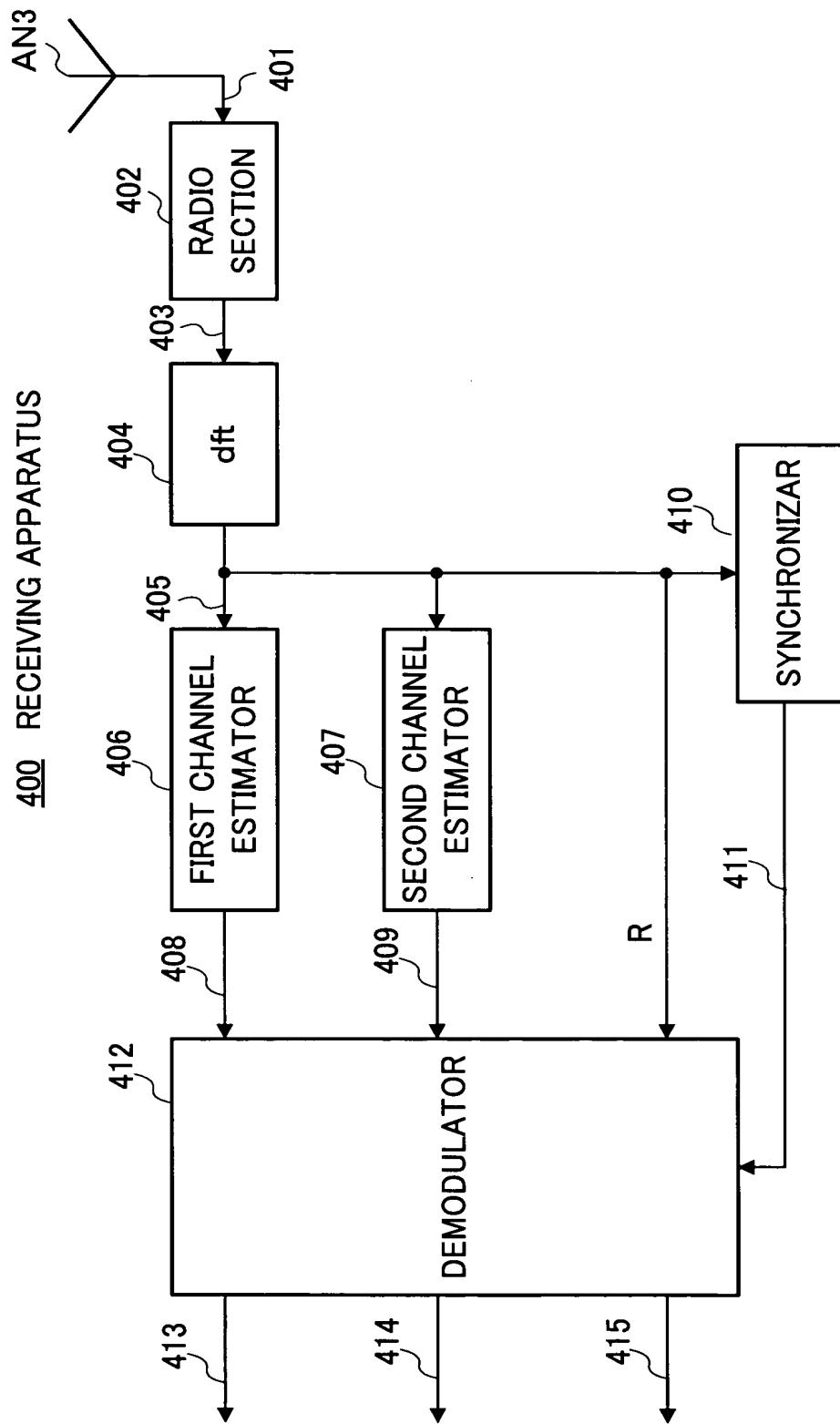


FIG.18

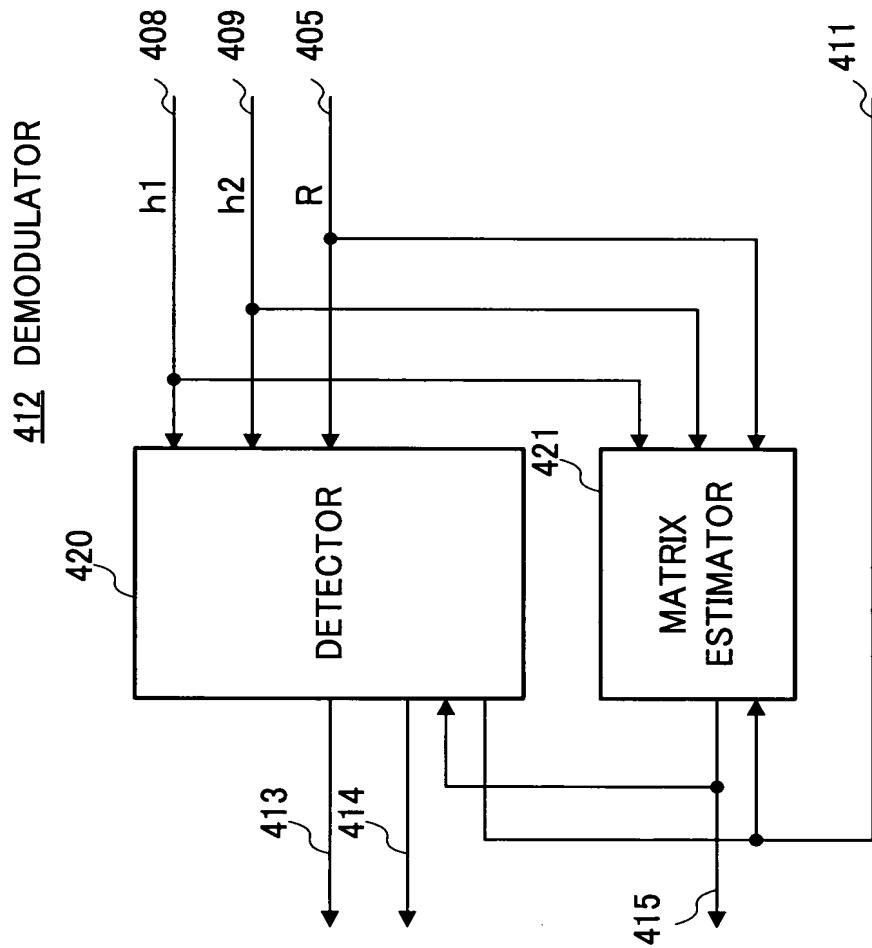
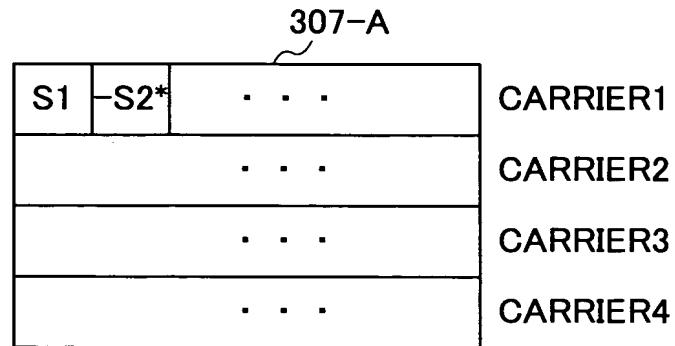


FIG.19

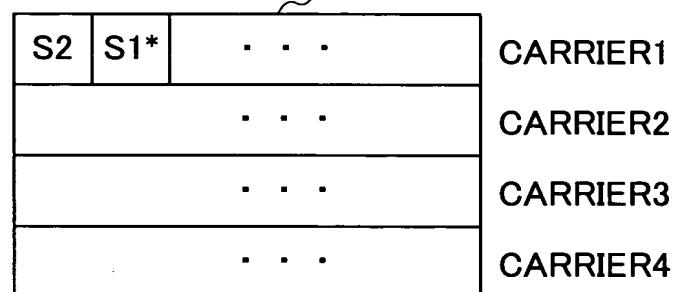
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FIG.20A

WHEN DATA 101C
REPRESENTS "0"



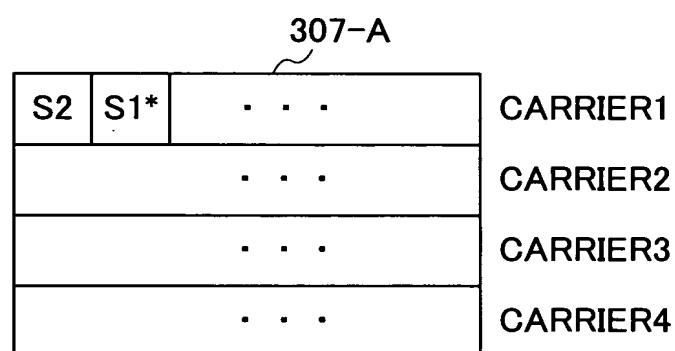
307-B



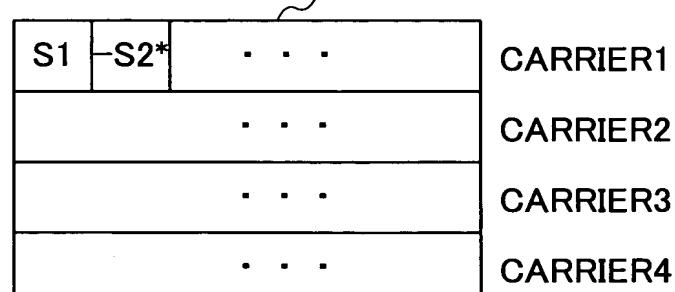
TIME
i i+1

FIG.20B

WHEN DATA 101C
REPRESENTS "1"



307-B



TIME
i i+1

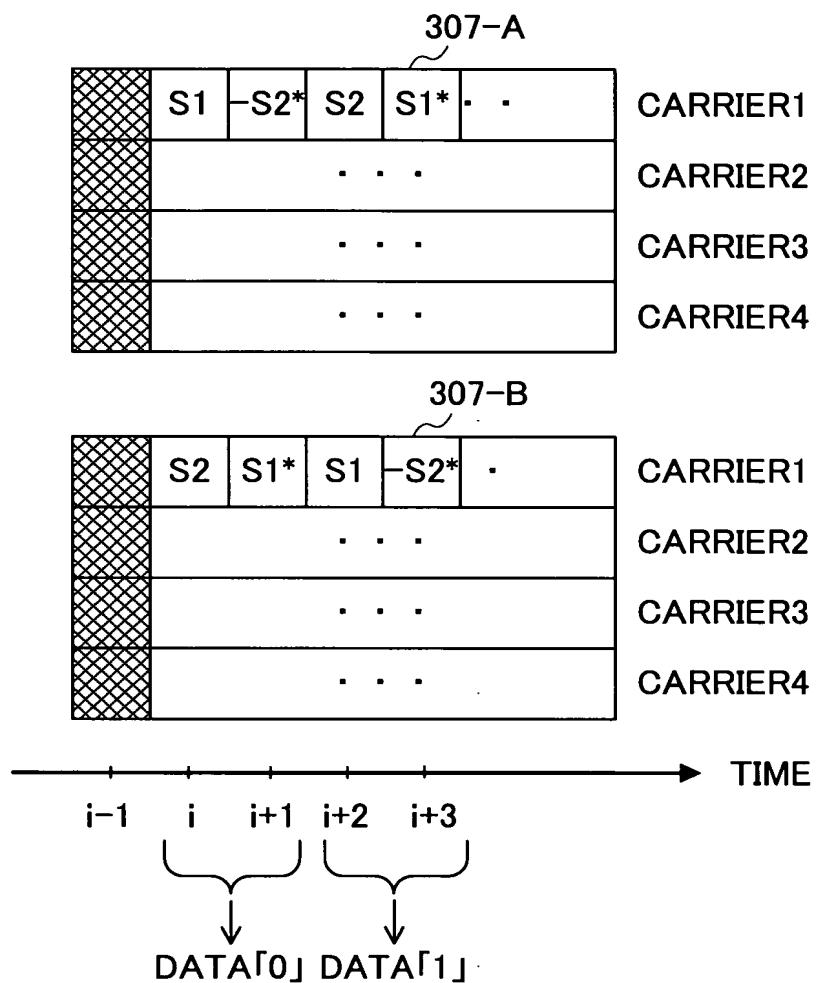
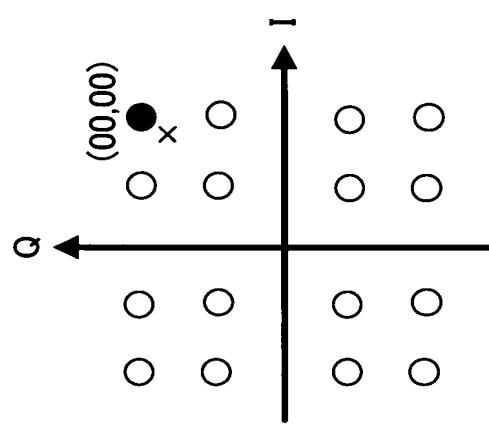
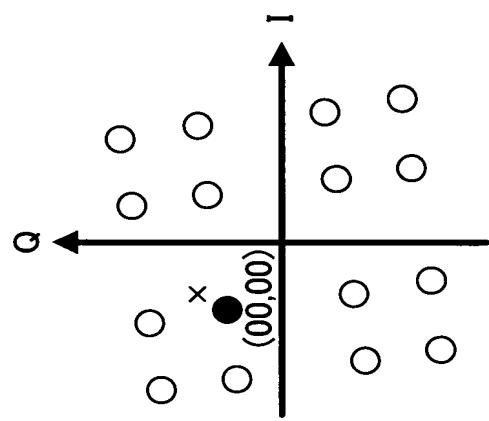
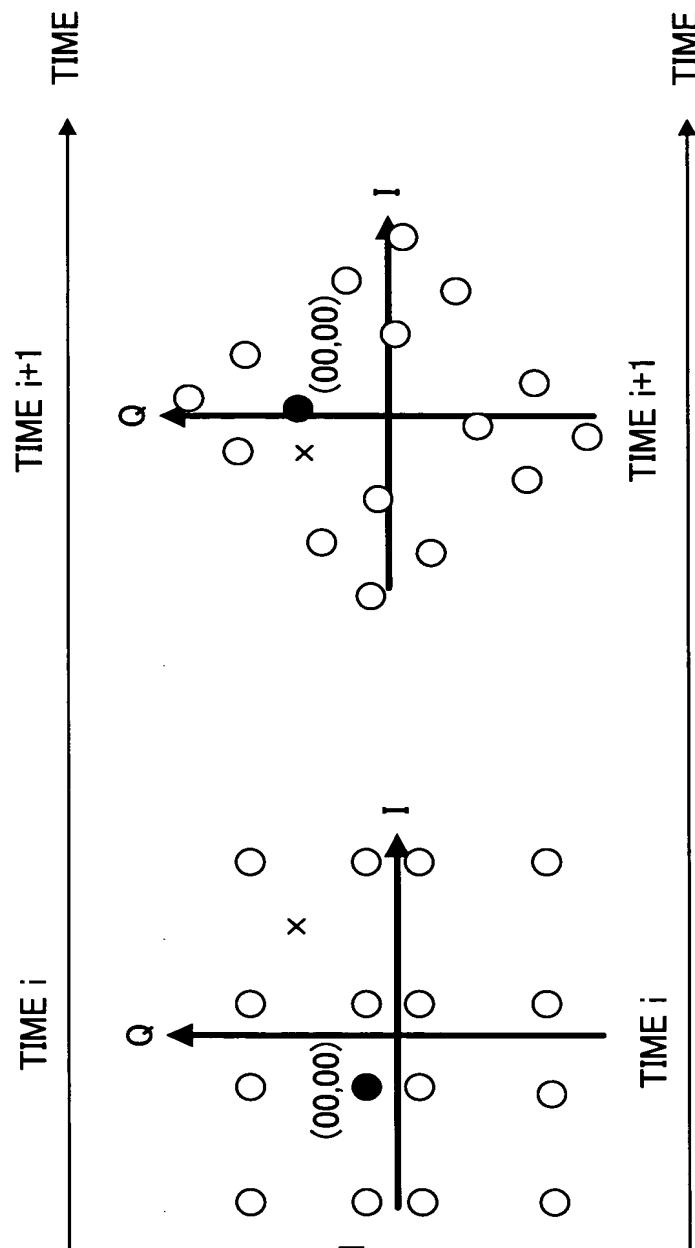


FIG.21



TRANSMISSION
FOLLOWING
EQUATION (1)

FIG.22A



TRANSMISSION
FOLLOWING
EQUATION (2)

FIG.22B

FIG.23A

WHEN DATA 101C
REPRESENTS "0"

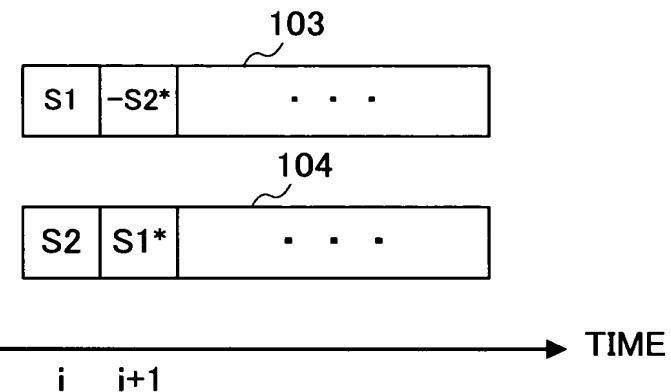
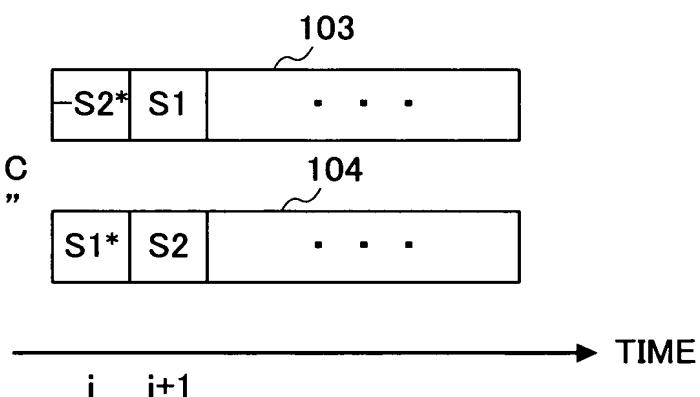


FIG.23B

WHEN DATA 101C
REPRESENTS "1"



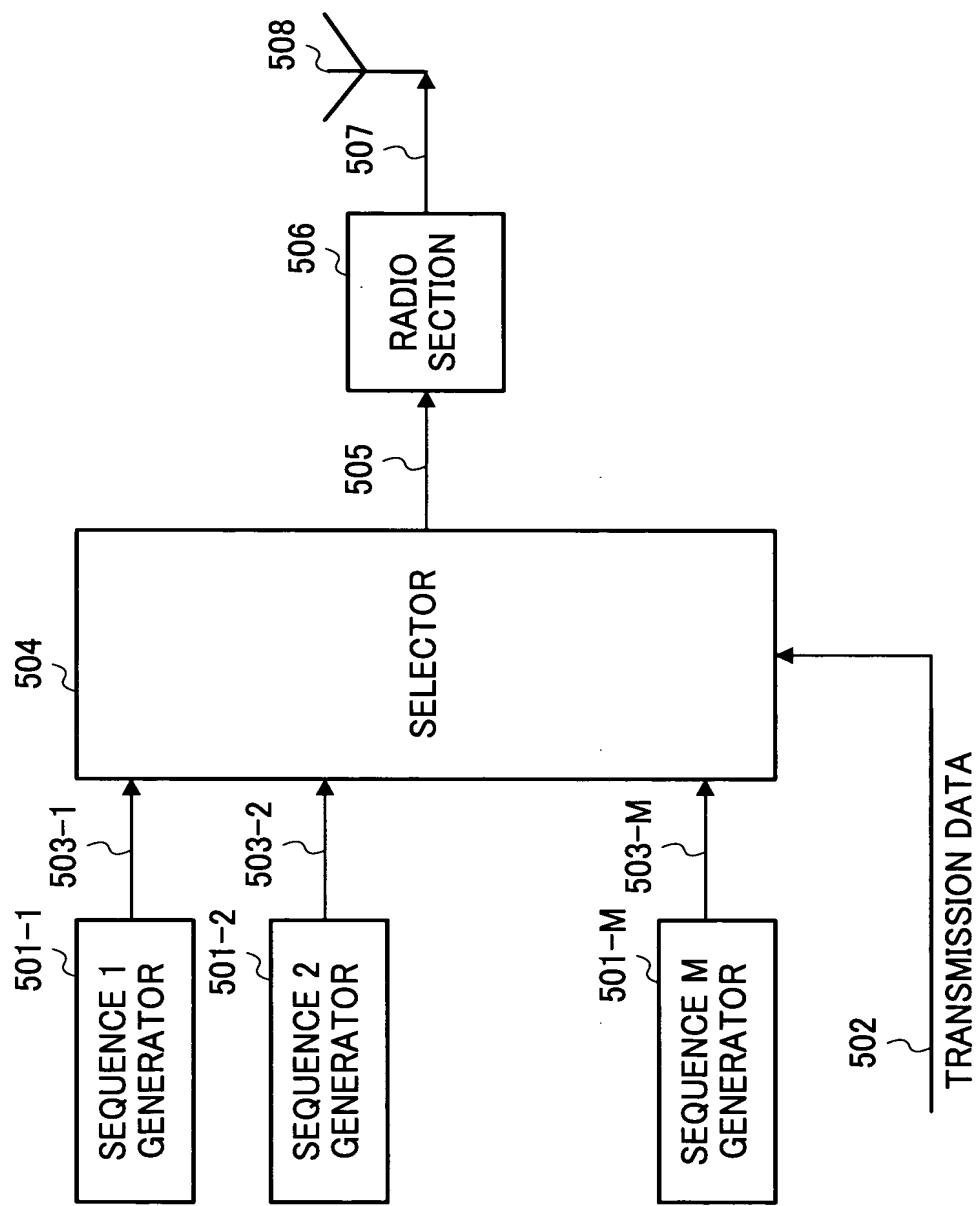


FIG.24

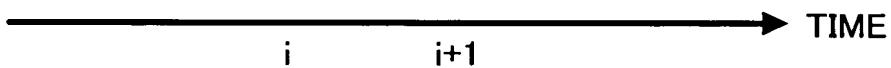
FIG.25A WHEN DATA
REPRESENTING
“0” IS SENT

I	1	1
Q	1	1

...

FIG.25B WHEN DATA
REPRESENTING
“1” IS SENT

I	1	-1
Q	1	-1



i

i+1

FIG.26A WHEN DATA
REPRESENTING
“00” IS SENT

I	1	3
Q	3	1

FIG.26B WHEN DATA
REPRESENTING
“01” IS SENT

I	-1	3
Q	3	-1

FIG.26C WHEN DATA
REPRESENTING
“10” IS SENT

I	1	-1
Q	3	3

FIG.26D WHEN DATA
REPRESENTING
“11” IS SENT

I	3	-3
Q	1	1

